



Appendix C

A large, light green oval graphic with a dark green border. The top and bottom portions of the oval are filled with a solid dark green color, while the center is white. The text "Show Me Standards" is centered within the white area.

Show Me Standards



Notes

PERFORMANCE STANDARDS

Goal 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze, and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

1. Develop questions and ideas to initiate and refine research
2. Conduct research to answer questions and evaluate information and ideas
3. Design and conduct field and laboratory investigations to study nature and society
4. Use technological tools and other resources to locate, select, and organize information
5. Comprehend and evaluate written, visual, and oral presentations
6. Discover and evaluate patterns and relationships in information, ideas, and structures
7. Evaluate the accuracy of information and the reliability of its sources
8. Organize data, information, and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation
9. Identify, analyze, and compare the institutions, traditions, and art forms of past and present societies
10. Apply acquired information, ideas, and skills to different contexts as students, workers, citizens, and consumers

Goal 2: Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom.

Students will demonstrate within and integrate across all content areas the ability to

1. Plan and make written, oral, and visual presentations for variety of purposes and audiences
2. Review and revise communications to improve accuracy and clarity
3. Exchange information, questions, and ideas while recognizing the perspectives of others
4. Present perceptions and ideas regarding works of the arts, humanities, and sciences
5. Perform or produce works in the fine and practical arts
6. Apply communication techniques to the job search and to the workplace
7. Use technological tools to exchange information and ideas

Goal 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

1. Identify problems and define their scope and elements
2. Develop and apply strategies based on ways others have prevented or solved problems
3. Develop and apply strategies based on one's own experience in preventing or solving problems
4. Evaluate the processes used in recognizing and solving problems
5. Reason inductively from a set of specific facts and deductively from general premises
6. Examine problems and proposed solutions from multiple perspectives
7. Evaluate the extent to which a strategy addresses the problem
8. Assess costs, benefits, and other consequences of proposed solution

**Goal 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.**

Students will demonstrate within and integrate across all content areas the ability to

1. Explain reasoning and identify information used to support decisions
2. Understand and apply the rights and responsibilities of citizenship in Missouri and the United States
3. Analyze the duties and responsibilities of individuals in societies
4. Recognize and practice honesty and integrity in academic work and in the workplace
5. Develop, monitor, and revise plans of action to meet deadlines and accomplish goals
6. Identify tasks that require a coordinated effort and work with others to complete those tasks
7. Identify and apply practices that preserve and enhance the safety and health of self and others
8. Explore, prepare for, and seek educational and job opportunities

Missouri students must build a solid foundation of factual knowledge and basic skills in the traditional content areas. The statements listed here represent such a foundation in reading, writing, mathematics, world and American history, forms of government, geography, science, health/physical education, and the fine arts. This foundation of knowledge and skills should also be incorporated into courses in vocational education and practical arts. Students should acquire this knowledge base at various grade levels and through various courses of study. Each grade level and each course sequence should build on the knowledge base that students have previously acquired.

These concepts and areas of study are indeed significant to success in school and in the workplace. However, they are neither inclusive nor are they likely to remain the same over the years. We live in an age in which “knowledge” grows at an ever-increasing rate, and our expectations for students must keep up with that expanding knowledge base.

Combining what students must know and what they must be able to do may require teachers and districts to adapt their curriculum. To assist districts in that effort, teachers from across the state participated in the development of curriculum frameworks in each of the content areas. These frameworks show how others might balance concepts and abilities for students at the elementary, middle and secondary levels. These models, however, are only resources. Missouri law assures local control of education. Each district has the authority to determine the content of its curriculum, how it will be organized and how it will be presented.

There are 40 “knowledge” standards which are listed below.

KNOWLEDGE STANDARDS**Mathematics**

In mathematics, students in Missouri public schools will acquire a solid foundation which includes knowledge of

1. Addition, subtraction, multiplication, and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace, and other situations
2. Geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes



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3. Data analysis, probability, and statistics
4. Patterns and relationships within and among functions and algebraic, geometric, and trigonometric concepts
5. Mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)
6. Discrete mathematics (such as graph theory, counting techniques, matrices)

Fine Arts

In Fine Arts, students in Missouri public schools will acquire a solid foundation which includes knowledge of

1. Process and techniques for the production, exhibition or performance of one or more of the visual or performed arts
2. The principles and elements of different art forms
3. The vocabulary to explain perceptions about and evaluations of works in dance, music, theater, and visual arts
4. Interrelationships of visual and performing arts and the relationships of the arts to other disciplines
5. Visual and performing arts in historical and cultural contexts

Communication Arts

In Communication Arts, student in Missouri public schools will acquire a solid foundation which includes knowledge of and proficiency in

1. Speaking and writing standard English (includes grammar, usage, punctuation, spelling, capitalization)
2. Reading and evaluating fiction, poetry, and drama
3. Reading and evaluating nonfiction works and material (such as biographies, newspaper, technical manuals)
4. Writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)
5. Comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)
6. Participating in formal and informal presentations and discussions of issues and ideas
7. Identifying and evaluating relationships between language and culture

Social Studies

In Social Studies, student in Missouri public schools will acquire a solid foundation which includes knowledge of

1. Principles expressed in documents shaping constitutional democracy in the United States
2. Continuity and change in history of Missouri, the United States, and the world
3. Principles and process of governance systems
4. Economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)
5. The major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment
6. Relationships of the individual and groups to institutions and cultural traditions
7. The use of tools of social science inquiry (such as surveys, statistics, maps, documents)



Science

In Science, students in Missouri public schools will acquire a solid foundation which includes knowledge of

1. Properties and principles of matter and energy
2. Properties and principles of force and motion
3. Characteristics and interactions of living organisms
4. Changes in ecosystems and interactions of organisms with their environments
5. Processes (such as plate movement, water cycle, air flow) and interactions of earth's biosphere, atmosphere, lithosphere, and hydrosphere
6. Composition and structure of the universe and motions of the objects within it
7. Processes of scientific inquiry (such as formulating and testing hypotheses)
8. Impact of science, technology, and human activity on resources and the environment

Health/Physical Education

In Health/Physical Education, students in Missouri public schools acquire a solid foundation which includes knowledge of

1. Structures of, functions of, and relationships among human body systems
2. Principles and practices of physical and mental health (such as personal health habits, nutrition, stress management)
3. Diseases and methods of prevention, treatment, and control
4. Principles of movement and physical fitness
5. Methods used to assess health, reduce risk factors, and avoid high-risk behaviors (such as violence, tobacco, alcohol, and other drug use)
6. Consumer health issues (such as the effects of mass media and technologies on safety and health)
7. Responses to emergency situation

For information on Grade Level Expectations, release items from MAP testing, curriculum and instruction questions, etc., please access for following website: <http://dese.mo.gov/divimprove/curriculum/unitindex.html>.

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